Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No 3rd & Final bill

YNK-DBR No.....
Date.....

Date 30.....

AEE, YSTSD

Division Yelahanka Division SBR No 67/03-24

Bill Received No Date: 6/01/2024

Scheduled Docket No Dated Cash Book Voucher No dated

Name of Work : Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt School Ground (Sy No5) in ward no. 01, 03,04 and 05

Job Code No: 001-23-000017 P-0541 **Est. cost: 700.00 lakhs**

Name of Contractor and Full Address : SRI.SHANKARAPPA T.K[MESPC INFRA PROJJECTS PRIVATE LTD].

Work Order No: **BBMP/EE/YNK.D/EPMT-14/W.O/107/2022-23** **Dated : 09-02-2023**

Certified that the measurements were taken by me on 06/12/2023 and recorded in pages 586610 - 586631/2 of measurement Book No 5867 and that the work is satisfactorily executed

Contractor

AE Officer-in-charge of work

Certified that the measurements were taken by me on ..... and found correct. The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Asst Executive Engineer Executive Engineer 6/12/23

If Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs
3) Deduct amount to be held in Balance
4) Deduct Payment
   a) Amount of previous payment as in the Office Cash Book Voucher No ..... Dated ..... S.D No .....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No ..... date ..... less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied

Executive Engineer (BBMP Ynk. Zn) Yelahanka, Bangalore

Gross Amt	=Rs 2350420
FSD	=Rs —
CGST	= Rs 199190
SGST	= Rs 199190
IT	= Rs 235044
LC	= Rs 235044
CRF	= Rs 23504
Royalty	= Rs 65000
T.D.	= Rs 966972
Net Amt	=Rs 2254744

Contractor's Signature

Received Rs ..... (in words)
By Cash and by adjustment of Payment as per memorandum

Witnesses

1

2

Dated ..... Signature of Contractor

Paid by me by cheque No ..... Dated .....

Cash Rs ..... Dated .....

Initials of Officer Making Payment

(For use in the Office)

Audited & Admitted for Rs. 2350420

2254744 - 00 by Cheque

and Rs. 96972 - 00 by adjustment

Accts Supdt, Yelahanka Division, BBMP

Executive Engineer

Name of Work: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To [illegible] and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fending to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05

ABSTRACT

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Removing and Resetting of Footpath Slab and pointing in C.M (1:3) (Approved Rate)	Sqm	66.14	263.72	17444.00	66.14	17444.00	0.00	263.72	0.00	66.14	1744430
2	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thicknessBy Mechanical Means using Motor Grader A In area of thorny jungle	Ha	0.00	164016.94	0.00	0.00	0.00	0.00	164016.94	0.00	0.00	0.00
3	Cutting of Trees, excluding removal of stumps and roots of trees Girth from 300 mm to 600 mm	Each	20.00	526.32	10527.00	20.00	10527.00	0.00	526.32	0.00	20.00	1052720
4	Cutting of Trees, excluding removal of stumps and roots of trees Girth from 600 mm to 900 mm	Each	15.00	840.54	12609.00	15.00	12609.00	0.00	840.54	0.00	15.00	1260930
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work Loading and	Cum	1923.23	341.15	656111.00	1755.67	598947.00	166.95	341.15	56954.00	1922.61	65590100
6	Providing And Filling In Foundation With Granite/Trap Broken Metal 100mm And Down Size With Approved Sand Including Hand Packing, Ramming, Watering,Including Cost Of All Materials And Labour With All Lead And Lift Complete As Per	Cum	225.00	2874.01	646653.00	180.00	517322.00	45.00	2874.01	129331.00	225.00	646653.00
	Above 125%	Cum	18.26	2874.01	52491.00	0.00	0.00	18.26	2874.01	52491.00	18.26	52491.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
7	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates	Cum	557.74	6232.81	3476290.00	395.34	2464108.00	162.37	6232.81	1012035.00	557.72	3476141.00
8	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.	Tn	79.50	103435.02	8222621.00	74.98	7755362.00	4.52	103435.02	467135.00	79.49	8222497.00
9	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	813.20	9041.50	7352590.00	743.80	6725075.00	69.37	9041.50	627194.00	813.17	7352261.00
10	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all	Cum	148.77	7032.28	1046161.00	148.77	1046161.00	0.00	7032.28	0.00	148.77	1046161.00
11	Providing weep holes in Brick masonry/Plain/ Reinforced concrete abutment, wing wall/ return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing face. Complete as per drawing and Technical Specifications.	M	0.00	193.02	0.00	0.00	0.00	0.00	193.02	0.00	0.00	0.00

Original / Duplicate

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
12	Providing and laying of Filter media with granular materials/ stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and	Cum	0.00	1240.05	0.00	0.00	0.00	0.00	1240.05	0.00	0.00	0.00
13	Providing and fixing precast reinforced cement concrete covering slabs of 10Cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs	Sqm	587.28	2113.85	1241422.00	533.28	1127275.00	54.00	2113.85	114148.00	587.28	1241421.00
14	Providing and fixing precast reinforced cement concrete covering slabs of 15Cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs	Sqm	868.41	2613.75	2269807.00	750.00	1960313.00	118.41	2613.75	309495.00	868.41	2269808.00
15	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc. complete and as per drawing and the directions	Sqm	134.91	5138.75	693269.00	43.11	221533.00	91.80	5138.75	471738.00	134.91	693271.00
16	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. (Made of G.I. wire of dia	Sqm	937.50	758.62	711207.00	750.00	568965.00	187.50	758.62	142242.00	937.50	711207.00
	Above 125%	Sqm	76.10	758.62	57731.00	0.00	0.00	76.10	758.62	57731.00	76.10	57731.00
17	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. (Made of G.I. wire of	Sqm	0.00	802.39	0.00	0.00	0.00	0.00	802.39	0.00	0.00	0.00
18	Providing and fixing Structural Steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Kgs	9615.65	114.47	1100704.00	9443.80	1081033.00	171.50	114.47	19632.00	9615.30	1100665.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to [illegible]	
19	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates07-2022	Cum	12.90	6428.08	82923.00	11.88	76373.00	1.02	6428.08	6551.00	12.90	82924.00
	Above 125%	Cum	17.58	6428.08	113013.00	0.00	0.00	17.58	6428.08	113013.00	17.58	113013.00
20	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc. complete as directed by the Engineer in Charge of the work	Nos	1434.00	517.24	741723.00	1321.00	683275.00	113.00	517.24	58449.00	1434.00	741724.00
	Above 125%	Nos	1954.00	517.24	1010687.00	0.00	0.00	1954.00	517.24	1010687.00	1954.00	1010687.00
21	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	533.51	95.39	50892.00	207.92	19834.00	325.50	95.39	31050.00	533.42	50884.00
22	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead	Sqm	0.00	4.49	0.00	0.00	0.00	0.00	4.49	0.00	0.00	0.00
23	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work	Cum	7951.14	72.94	579957.00	7638.50	557153.00	312.64	72.94	22805.00	7951.14	579958.00
	Above 125%	Cum	288.19	72.94	21021.00	0.00	0.00	287.36	72.94	20960.00	287.36	20960.00
24	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401	Cum	438.98	2633.85	1156219.00	351.19	924976.00	87.80	2633.85	231244.00	438.98	1156220.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement				
	Above 125%	Cum	67.53	2633.85	177865.00	0.00	0.00	67.45	2633.85	177665.00	67.45	177665.00
25	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	Cum	759.77	2686.59	2041196.00	751.31	2018459.00	8.35	2686.59	22431.00	759.66	2040890.00
26	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means.	Sqm	3376.76	47.13	159147.00	3376.26	159124.00	0.00	47.13	0.00	3376.26	159124.00
27	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.	Sqm	8371.76	13.47	112768.00	8270.00	111397.00	101.53	13.47	1368.00	8371.53	112765.00
28	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.	Cum	315.37	10255.97	3234446.00	315.34	3234148.00	0.00	10255.97	0.00	315.34	3234148.00
29	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects	Cum	334.87	11907.88	3987598.00	284.30	3385375.00	50.56	11907.88	602063.00	334.86	3987431.00
30	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015 The finished surface to be level, uniform and free from streaks and holes.	Sqm	287.06	536.42	153985.00	274.10	147033.00	12.96	536.42	6953.00	287.06	153986.00
31	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	t.Km	13008.09	107.73	1401362.00	12024.53	1295404.00	981.69	107.73	105758.00	13006.23	1401161.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement				
32	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead Steel Work in all types of sections upto a height of 5 m above plinth level excluding cutting of rivet.Excluding dismembering (V-III Page No.8, Item No.2.13B of PWD SR 2021-22)	Tn	3.96	1717.00	6800.00	0.00	0.00	3.96	1717.00	6798.00	3.96	6798.00
33	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead Prestressed / Reinforced cement concrete grade M-20 & above (V-III Page No.8, Item No.2.7C of PWD SR 2021-22)	Cum	66.49	2079.47	138269.00	0.00	0.00	66.49	2079.47	138269.00	66.49	138269.00
34	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead Dismantling Brick /	Cum	68.72	559.99	38483.00	0.00	0.00	68.72	559.99	38483.00	68.72	38483.00
35	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the	Cum	359.76	359.11	129195.00	0.00	0.00	359.76	359.11	129195.00	359.76	129195.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
36	Providing and laying in position Reinforced cement concrete for all Foundation works The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (V-I Page No.15, Item No.2.2.2.1 of PWD SR 2021-22) Issue Rate On 7-07-22 FOOTING	Cum	58.37	7246.53	422973.00	0.00	0.00	58.37	7246.53	422973.00	58.37	42297300
37	Coloumn Up to Plinth	Cum	4.46	11406.58	50919.00	0.00	0.00	4.46	11406.58	50919.00	4.46	5091900
38	Plinth Beam	Cum	12.83	10064.63	129114.00	0.00	0.00	12.83	10064.63	129114.00	12.83	12911400
39	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits with Chlorpyriphos 20% E.C / Lindane 20% E.C. @ 3.19 l/m2 including cost of chemical, diluting in water to one percent concentration, labour, usage charges of machinery,	Sqm	251.16	106.61	26777.00	0.00	0.00	251.16	106.61	26777.00	251.16	2677700
40	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6(1 cement : 6 coarse sand) (V-II	Cum	262.81	6006.12	1578464.00	180.93	1086706.00	81.88	6006.12	491758.00	262.81	1578464.00
41	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and	Cum	582.34	228.93	133315.00	582.34	133315.00	0.00	228.93	0.00	582.34	13331500
	Above 125%	Cum	164.79	228.93	37725.00	164.79	37725.00	0.00	228.93	0.00	164.79	3772500

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement				
42	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (V-I Page No.17, Item No.2.5.1 of PWD SR 2021-22) FOR column	Cum	0.00	11793.86	0.00	0.00	0.00	0.00	11793.86	0.00	0.00	0.00
43	Roof Beam	Cum	0.00	11100.10	0.00	0.00	0.00	0.00	11100.10	0.00	0.00	0.00
44	Slab	Cum	0.00	10406.35	0.00	0.00	0.00	0.00	10406.35	0.00	0.00	0.00
45	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid	Cum	18.61	11801.49	219650.00	0.00	0.00	18.61	11801.49	219650.00	18.61	219650.00
46	Roof Beam	Cum	46.75	11107.28	519282.00	0.00	0.00	46.75	11107.28	519282.00	46.75	51928200
47	Slab	Cum	74.73	10413.08	778180.00	0.00	0.00	74.73	10413.08	778180.00	74.73	77818000
48	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately)	Kg	24832.70	107.73	2675227.00	0.00	0.00	24832.57	107.73	2675213.00	24832.57	2675213.00

Mahanagara Palike

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
49	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (V-II Page No.17,	Sqm	247.74	1342.18	332512.00	0.00	0.00	247.74	1342.18	332512.00	247.74	33251200
50	Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per	Cum	0.00	264450.02	0.00	0.00	0.00	0.00	264450.02	0.00	0.00	0.00
51	Providing and fixing in position fully panelled Teak wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) (V-II Page No.99, Item No.9.33 of PWD SR 2021-22)	Sqm	0.00	10474.80	0.00	0.00	0.00	0.00	10474.80	0.00	0.00	0.00
52	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per	Cum	1.07	101440.83	108796.00	0.00	0.00	1.07	101440.83	108796.00	1.07	108796.00
53	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications (V-II Page No.105, Item No.12.51 of PWD SR 2021-	Nos	11.00	1666.50	18332.00	0.00	0.00	11.00	1666.50	18332.00	11.00	18332.00
54	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to	Kg	1882.65	164.97	310581.00	0.00	0.00	1882.65	164.97	310581.00	1882.65	31058100
	Above 125%	Kg	710.79	162.72	115662.00	0.00	0.00	710.79	162.72	115662.00	710.79	11566200
55	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.(V-II, Page No.41, Item No.8.2.1	Sqm	1030.16	278.31	286703.00	0.00	0.00	1030.16	278.31	286703.00	1030.16	28670300

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement				
56	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-In-	Sqm	2362.98	335.54	792875.00	1413.26	474206.00	949.72	335.54	318670.00	2362.98	79287600
57	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed including cost of materials, mortar, labour, curing complete as per specifications.(V-II, Page No.64, Item No.9.30 of PWD SR 2021-22)	Sqm	497.32	2687.72	1336657.00	0.00	0.00	497.32	2687.72	1336657.00	497.32	1336657.00
58	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(V-II, Page No.64, Item No.8.51 of PWD SR 2021-22)	Sqm	1026.02	93.14	95564.00	0.00	0.00	1026.02	93.14	95564.00	1026.02	95564.00
59	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching	Sqm	11.21	855.13	9589.00	0.00	0.00	11.21	855.13	9589.00	11.21	9589.00
	Above 125%	Sqm	69.68	855.13	59584.00	0.00	0.00	69.68	855.13	59584.00	69.68	59584.00
60	Providing skirting, dadoing, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of	Sqm	35.98	1093.04	39323.00	0.00	0.00	35.98	1093.04	39323.00	35.98	39323.00
	Above 125%	Sqm	17.95	1093.04	19621.00	0.00	0.00	17.95	1093.04	19621.00	17.95	19621.00
61	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per specification 30 mm thick both side commercial	Sqm	7.88	2960.42	23314.00	0.00	0.00	7.88	2960.42	23314.00	7.88	23314.00
	Above 125%	Sqm	5.23	2960.42	15469.00	0.00	0.00	5.23	2960.42	15469.00	5.23	15469.00

Maheswara Palike

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
62	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges, complete as per specifications	Nos	14.88	5694.14	84751.00	0.00	0.00	14.88	5694.14	84751.00	14.88	8475130
	Above 125%	Nos	1.98	5694.14	11254.00	0.00	0.00	1.98	5694.14	11254.00	1.98	1125430
63	Providing & fixing of 2-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6 PHR with TPE (Thermo Plastic Elastomer) and lead free, gaskets -grey color having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 44mm width x 40mmheight with reinforcement of 1mm thickness and Sash with overall size of 27mm X 53mm with UPVC honeycomb structure inside in lieu of GI reinforcement. Coextruded Glazing bead for fixing of glass shall be of size 9.5mm x 21.5mm. Windows shall be provided	Sqm	65.08	4616.81	300462.00	0.00	0.00	65.08	4616.81	300462.00	65.08	30046200
64	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The	Sqm	374.31	836.05	312942.00	0.00	0.00	374.31	836.05	312942.00	374.31	31294200
65	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer in-charge. (V-II, Page No.48, Item No.8.39 of PWD SR 2021-22)	Sqm	1647.77	106.61	175669.00	1413.26	150668.00	234.51	106.61	25002.00	1647.77	17567000
	Above 125%	Sqm	791.50	106.61	84383.00	0.00	0.00	791.50	106.61	84383.00	791.50	84383.00
66	Providing White washing with lime to give an even shade :New work (three coats) with lime of approved quality, including cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (V-II, Page No.44, Item No.8.21 of PWD SR 2021-22)	Sqm	2294.44	21.32	48918.00	1413.26	30131.00	881.18	21.32	18787.00	2294.44	48918.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
67	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-	Sqm	881.18	152.62	134486.00	0.00	0.00	881.18	152.62	134486.00	881.18	13448600
68	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel	kg	1704.00	561.11	956132.00	0.00	0.00	1704.00	561.11	956132.00	1704.00	95613200
69	Painting wood work with Deluxe Multi Surface Paint of required shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @0.75 ltr/10 m² of approved brand and manufacture to give an even shade including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, sand papering and knotting , cost of materials, labour complete as per specifications and as per directions of Engineer	Sqm	47.04	117.83	5543.00	0.00	0.00	47.04	117.83	5543.00	47.04	5543.00
70	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour comp (V-II, Page No.47, Item No.8.33.3 of PWD SR 2021-22)	Sqm	65.88	118.96	7838.00	0.00	0.00	65.88	118.96	7838.00	65.88	7838.00
71	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent. (V-II, Page No.63, Item No.11.24 of PWD SR 2021-22)	Sqm	0.00	3233.12	0.00	0.00	0.00	0.00	3233.12	0.00	0.00	0.00

Mahanagara Palike

Sl No	Description of Work	Unit	As per Modified Shedule -II			Previous measurement		Present Measurement			Up to date	
72	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour	Sqm	96.85	3439.60	333126.00	0.00	0.00	96.85	3439.60	333126.00	96.85	33312600
73	Providing and fixing chromium plated brass handles of 100/125 mm with necessary screws etc. Complete(V-II Page No.107.	Nos	26.00	196.39	5107.00	0.00	0.00	26.00	196.39	5107.00	26.00	5107.00
74	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc.125x65x2.12mm(V-II Page	Nos	40.00	42.64	1706.00	0.00	0.00	40.00	42.64	1706.00	40.00	1706.00
75	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. Complete 250x10mm (V-II	Nos	26.00	378.19	9833.00	0.00	0.00	26.00	378.19	9833.00	26.00	9833.00
76	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid	Nos	4.00	5616.71	22467.00	0.00	0.00	4.00	5616.71	22467.00	4.00	22467.00
77	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size	Nos	5.00	5211.59	26058.00	0.00	0.00	5.00	5211.59	26058.00	5.00	26058.00
	Above 125%	Nos	2.00	5211.59	10424.00	0.00	0.00	2.00	5211.59	10424.00	2.00	10424.00
78	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern (V-II	Nos	2.00	7438.07	14877.00	0.00	0.00	2.00	7438.07	14877.00	2.00	14877.00
79	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 20mm nominal dia pipes (V-II Page No.124, Item	m	84.00	418.59	35162.00	0.00	0.00	84.00	418.59	35162.00	84.00	35162.00

Mahanagara Palike

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
80	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge.	m	54.00	534.18	28846.00	0.00	0.00	54.00	534.18	28846.00	54.00	28846.00
81	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 32mm nominal dia pipes (V-II Page No.124, Item No.13.32.4 of PWD SR 2021-22)	m	24.00	623.95	14975.00	0.00	0.00	24.00	623.95	14975.00	24.00	14975.00
82	Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. for PVC pipes 110mm dia. 6 kg/sqcm P.	M	51.50	401.96	20701.00	0.00	0.00	51.50	401.96	20701.00	51.50	20701.00
83	Providing and fixing gun metal non- return valve of approved quality (screwed end)(V-II Page No.115, Item No.13.6.1.2 of	Nos	3.00	620.59	1862.00	0.00	0.00	3.00	620.59	1862.00	3.00	1862.00
84	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete(V-II Page No.115, Item No.13.5.2 of PWD SR 2021-22)	Each	5.00	404.00	2020.00	0.00	0.00	5.00	404.00	2020.00	5.00	2020.00
85	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms(V-II Page No.118, Item No.13.20.2 of	Each	5.00	246.89	1235.00	0.00	0.00	5.00	246.89	1235.00	5.00	1235.00
	Above 125%	Each	2.00	246.89	494.00	0.00	0.00	2.00	246.89	494.00	2.00	494.00

Jasmeena Palike

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up...	
86	Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms (V-II Page No 129, Item	Each	5.00	273.82	1370.00	0.00	0.00	5.00	273.82	1370.00	5.00	1370.00
87	Providing and fixing brass bib cock of approved quality :20 mm nominal bore (V-II Page No.129, Item No.13.3.2 of PWD SR 2021-22)	Nos	10.00	387.17	3872.00	0.00	0.00	10.00	387.17	3872.00	10.00	3872.00
88	Providing and fixing brass stop cock of approved quality :20 mm nominal bore (V-II Page No.129, Item No.13.3.2 of PWD SR 2021-	Nos	8.00	387.17	3098.00	0.00	0.00	8.00	387.17	3098.00	8.00	3098.00
89	Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (V-II, I.No 9.40 Page No 65, PWD SR 2021-22)	Sqm	55.98	1278.21	71559.00	0.00	0.00	55.98	1278.21	71559.00	55.98	71559.00
90	Providing and fixing in position 12mm thick plaster of paris (Gypsum anhydrous) for ceiling reinforced with hessian cloth flat surface with ceiling tiles up to a height of 5 m above floor level over aluminium strips 25mm x 6mm and rendered smooth with plaster of paris including cost of materials, labour, curing complete as per specifications. (V-II, I.No 7.31 Page No 24, PWD SR 2021-22)	Sqm	273.10	1314.12	358885.00	0.00	0.00	273.10	1314.12	358885.00	273.10	358885.00
91	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.19/20mm dia 2mm thick (Page No.1, Item No.1.2.1 of PWD Electrical SR2022-23)	m	108.00	62.23	6721.00	0.00	0.00	108.00	62.23	6721.00	108.00	6721.00

Mahanagara Palike

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
92	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.a)25mm dia 2 mm thick (Page No.1, Item No.1.2.2 of PWD Electrical SR 2021-22	m	108.00	71.41	7713.00	0.00	0.00	108.00	71.41	7713.00	108.00	7713.00
93	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.19/20mm dia 2mm thick(Page No.1, Item No.1.3.1 of PWD Electrical SR 2021-22)	m	156.00	76.52	11938.00	0.00	0.00	156.00	76.52	11938.00	156.00	11938.00
94	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2.mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.a)25mm dia 2 mm thick (Page No.1, Item No.1.3.2 of PWD Electrical SR 2021-22)	m	114.00	81.62	9305.00	0.00	0.00	114.00	81.62	9305.00	114.00	9305.00
95	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 32mm dia 2.5mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.32mm dia 2.5 mm thick (Page No.1, Item No.1.3.3 of PWD Electrical SR 2021-22)	m	25.00	107.00	2675.00	0.00	0.00	25.00	107.00	2675.00	25.00	2675.00
	Above 125%	m	11.00	107.00	1177.00	0.00	0.00	11.00	107.00	1177.00	11.00	1177.00
96	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of Group-A (Page No.3, Item No.2.3 of PWD Electrical SR 2021-22)1.00 Sqm	m	0.00	18.36	0.00	0.00	0.00	0.00	18.36	0.00	0.00	0.00
97	1.5 Sqm	m	1050.00	26.53	27857.00	0.00	0.00	1050.00	26.53	27857.00	1050.00	27857.00
	Above 125%	m	250.00	26.53	6633.00	0.00	0.00	250.00	26.53	6633.00	250.00	6633.00
98	2.5 Sqm	m	500.00	40.81	20405.00	0.00	0.00	500.00	40.81	20405.00	500.00	20405.00
	Above 125%	m	240.00	40.81	9795.00	0.00	0.00	240.00	40.81	9795.00	240.00	9795.00

Mahanagara Palike

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
99	4.0 Sqm	m	350.00	60.19	21067.00	0.00	0.00	350.00	60.19	21067.00	350.00	2106730
	Above 125%	m	330.00	60.19	19863.00	0.00	0.00	330.00	60.19	19863.00	330.00	1986330
100	10.0 Sqm	m	280.00	160.17	44848.00	0.00	0.00	280.00	160.17	44848.00	280.00	4484830
101	Point wiring using Copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose lenght in a wood/PVC round block. complete for each outlet.(5/2.3) Using class A materials (Page No.3, Item No.2.2 of PWD Electrical SR 2021-22)Short point up to 3mtrs from tapping point to out let via switch (Page No.3, Item No.2.2.1 of PWD Electrical SR 2021-22)	Point	66.00	256.07	16901.00	0.00	0.00	66.00	256.07	16901.00	66.00	1690100
102	Medium point a above 3mtr up to 6mtr from tapping point to out let via switch (Page No.3, Item No.2.2.2 of PWD Electrical SR 2021-22)	Point	66.00	368.29	24308.00	0.00	0.00	66.00	368.29	24308.00	66.00	2430830
103	Long point a above 6mtr up to 10mtr from tapping point to out let via switch (Page No.3, Item No.2.2.3 of PWD Electrical SR 2021-22)	Point	52.00	552.95	28754.00	0.00	0.00	52.00	552.95	28754.00	52.00	2875430
104	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , Indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898 5-32Amps DP (Page No.13, Item No 5.17 of PWD Electrical 6-32Amps SPSR 2021-22)	Each	10.00	533.00	5330.00	0.00	0.00	10.00	533.00	5330.00	10.00	5330.00
105	6-32 Amps DP	Each	8.00	1125.00	9000.00	0.00	0.00	8.00	1125.00	9000.00	8.00	9000.00
106	40 Amps TPN	Each	6.00	2441.00	14646.00	0.00	0.00	6.00	2441.00	14646.00	6.00	14646.00
107	50-63 Amps SP	Each	6.00	748.00	4488.00	0.00	0.00	6.00	748.00	4488.00	6.00	4488.00
108	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure,III-Single Door Group A12Way SP &N (Page No.13, Item No.5.18.4 of PWD Electrical SR 2021-22)	Each	2.00	1623.00	3246.00	0.00	0.00	2.00	1623.00	3246.00	2.00	3246.00
109	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using required clamps, bolts, nuts etc. with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with power coated painting etc. complete: Double door: 6 way TP &N Group (A) (Page	Each	2.00	3810.00	7620.00	0.00	0.00	2.00	3810.00	7620.00	2.00	7620.00

Mahesara Palike

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
110	Supplying and fixing 32Amps security and energy saving DP switch with key tag suitable to operate on 230 Volts, 50Hz AC supply & completely wired on existing box. (Page No.6, Item No.3.7 of PWD Electrical SR 2021-22)	Each	10.00	762.00	7620.00	0.00	0.00	10.00	762.00	7620.00	10.00	7620.00
111	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3 Way (Page No.5, Item No.3.4.1 of PWD Electrical SR 2021-22)	Each	13.00	125.48	1632.00	0.00	0.00	13.00	125.48	1632.00	13.00	1632.00
112	Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes : Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes, Class H Insulated copper wire, Vacuum impregnated high quality with Low loss silicon steel lamination operated on 240V,50Hz supply with IEC 60920 (Safety) & IEC 60921(Performance). Operating voltage range from 180V to	Each	34.00	306.00	10404.00	0.00	0.00	34.00	306.00	10404.00	34.00	10404.00
113	Supply and fixing metal fan box with round hook (Page No.2, Item No.1.12 of PWD Electrical SR 2021-22)	Nos	20.00	166.00	3320.00	0.00	0.00	20.00	166.00	3320.00	20.00	3320.00
114	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 (Page No.5, Item No.3.6 of PWD Electrical SR 2021-22)	Each	100.00	89.60	8960.00	0.00	0.00	100.00	89.60	8960.00	100.00	8960.00
115	6Amps 3way 5 pin socket	Each	36.00	165.00	5940.00	0.00	0.00	36.00	165.00	5940.00	36.00	5940.00
116	16Amps SP Switch	Each	16.00	252.00	4032.00	0.00	0.00	16.00	252.00	4032.00	16.00	4032.00
117	32Amps Flush/projected types DP switch	Each	6.00	381.00	2286.00	0.00	0.00	6.00	381.00	2286.00	6.00	2286.00
118	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (Page No.5, Item No.3.4 of PWD Electrical SR 2021-22)1-3Way	Each	0.00	125.00	0.00	0.00	0.00	0.00	125.00	0.00	0.00	0.00
119	4-5Way	Each	0.00	140.00	0.00	0.00	0.00	0.00	140.00	0.00	0.00	0.00
120	6Way	Each	8.00	216.00	1728.00	0.00	0.00	8.00	216.00	1728.00	8.00	1728.00
121	8Way	Each	0.00	255.00	0.00	0.00	0.00	0.00	255.00	0.00	0.00	0.00
122	10-12Way	Each	20.00	330.00	6600.00	0.00	0.00	20.00	330.00	6600.00	20.00	6600.00
123	16Way	Each	0.00	360.00	0.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
124	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. (Page No.5, Item No.3.5 of PWD Electrical SR 2021-22) 1 to 3 Module	Each	13.00	155.00	2015.00	0.00	0.00	13.00	155.00	2015.00	13.00	2015.00
125	4Moudule	Each	0.00	178.00	0.00	0.00	0.00	0.00	178.00	0.00	0.00	0.00
126	6Moudule	Each	8.00	248.00	1984.00	0.00	0.00	8.00	248.00	1984.00	8.00	1984.00
127	8Moudule	Each	0.00	307.00	0.00	0.00	0.00	0.00	307.00	0.00	0.00	0.00
128	10Moudule	Each	3.00	370.00	1110.00	0.00	0.00	3.00	370.00	1110.00	3.00	1110.00

Mahanagara Palike

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
129	12Moudule	Each	14.00	410.00	5740.00	0.00	0.00	14.00	410.00	5740.00	14.00	5740.00
	Above 125%	Each	3.00	411.06	1234.00	0.00	0.00	3.00	411.06	1234.00	3.00	1234.00
130	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies for operation on 230 Volts, 50 Cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system.(84/9.3)56" Sweep (1400mm) Regular model (Page No.22, Item No.6.3.2 of PWD Electrical SR 2021-22)	Each	28.00	2211.00	61908.00	0.00	0.00	28.00	2211.00	61908.00	28.00	6190800
131	Supplying and fixing of Electronic Ballast suitable for T8 Lamp with housing made of Pre-coated steel/PC, Operating voltage range from 180V to 265V, 50Hz AC power Supply flicker free warm start with over voltage protection, Inrush current protection, De-activated lamp protection & End of Lamp life protection with PF> 0.95 & TC(deg C) > 65 degC. Operating	Each	0.00	737.97	0.00	0.00	0.00	0.00	737.97	0.00	0.00	0.00
132	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 14.7.1 On wall / ceiling / Rafter / Girders (Page No.45, Item No.13.7.1 of PWD Electrical SR 2021-22)	Each	37.50	120.00	4500.00	0.00	0.00	37.50	120.00	4500.00	37.50	4500.00
	Above 125%	Each	28.50	121.38	3460.00	0.00	0.00	28.50	121.38	3460.00	28.50	3460.00
	EIRL											
E1	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in	Sqm	49.64	15942.60	791391.00	0.00	0.00	49.64	15942.60	791391.00	49.64	79139100
E2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (V-II, I.No 6.33	Sqm	885.23	1190.44	1053810.00	637.94	759425.00	247.29	1190.44	294385.00	885.23	105381000
E3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer including cost of materials ,labour, usage charges of machinery complete as	Sqm	9.20	7363.69	67746.00			9.20	7363.69	67746.00	9.20	67746.00

Mohanapara Pallike

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
E4	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. pipes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer in-Charge.(11.26.3)	KG	400.00	164.93	65974.00			400.00	164.93	65974.00	400.00	6597400
E5	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including	Cum	600.00	451.04	270627.00			600.00	451.04	270627.00	600.00	27062700
E6	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed	Cum	67.50	7306.46	493187.00			67.50	7306.46	493187.00	67.50	49318700
	Total				59312947.00		39391401.00	SUB TOTAL		19919441.00		59310842.00
	GST 18%				10676330.46		7090452.18	GST 18%		3585499.38		10675951.56
	Grand Total				69989277.46		46481853.18	GRAND TOTAL		23504940.38		69986793.56

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

Consultants

Assistant Engineer

Executive Engineer

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore